

WHAT IS CLAIMED IS:

1. A mobile terminal device with a camera comprising:

a camera lamp unit for generating light for illuminating an object;

a display unit for displaying image information;
an illumination unit for generating light illuminating said display unit; and

a driving unit for driving said camera lamp unit and said illumination unit by sharing a power supply.

2. A mobile terminal device with a camera comprising:

a camera lamp unit for generating light for illuminating an object;

a display unit for displaying image information;
an illumination unit for generating light illuminating said display unit; and

a driving unit for driving said camera lamp unit and said illumination unit respectively;

wherein illumination with said camera lamp unit and illumination with said illumination unit are controlled respectively.

3. A mobile terminal device with a camera comprising:

a camera lamp unit for generating light for illuminating an object;

a display unit for displaying image information;
 an illumination unit for generating light illuminating said display unit; and

a driving unit for driving said camera lamp unit and said illumination unit by sharing a power supply unit and for respectively changing respective driving states of said camera lamp unit and said illumination unit; and

a control unit for controlling said display unit and said driving unit;

wherein driving power for said illumination unit is decreased when driving power for said camera lamp unit is increased.

4. A mobile terminal device with a camera comprising:

a camera lamp unit for generating light for illuminating an object;

a display unit for displaying image information;
 an illumination unit for generating light illuminating said display unit; and

a driving unit for driving said camera lamp unit and said illumination unit by sharing a power supply unit and for respectively changing respective driving states of said camera lamp unit and said illumination unit; and

a control unit for detecting whether light of said camera lamp unit is in an ON state or OFF state and controlling said driving unit based on a result of the detection;

wherein when the light from said camera lamp unit is in the ON state, said control unit controls said driving unit during photographing operation so that intensity of the light from said illumination unit may be decreased and intensity of the light from said camera lamp unit may be increased.

5. A mobile terminal device with a camera according to claim 1, wherein said driving unit is enclosed in one package.

6. A mobile terminal device with a camera according to claim 1, wherein light of each of said camera lamp unit and said illumination unit is generated by an LED.

7. A mobile terminal device with a camera according to claim 1, wherein when said camera lamp unit generates light, said driving unit reduces the driving current for said illumination unit to a level lower than a normal time or to zero.

8. A mobile terminal device with a camera according to claim 1, wherein when said driving unit increases a driving current for said camera lamp unit so as to increase light thereof and as decreases a driving current

for said illumination unit so as to decrease light therefor, an increase of said driving current or driving power for said camera lamp unit is made substantially equal to a decrease of said driving current or driving power for said illumination unit.

9. A method for controlling illumination of a mobile terminal device with a camera at time of photographing, comprising:

a first step in which, while a device mode is brought into a photographing mode, a driving current value of an illumination unit for illuminating a display unit is reduced to a level lower than that in a normal time or to zero so as to decrease intensity of generating light, whereas a driving current value of a camera light unit for illuminating an object is increased so as to increase intensity of generating light; and

a second step in which after the object is photographed, completion of the photographing is detected, the respective driving current values of said camera lamp unit and said illumination unit are returned to levels before the photographing so as to return the intensity of the generated light to the original levels.

10. A program for controlling illumination of a mobile terminal device with a camera at the time of photographing, said program allowing a CPU to perform:

a procedure in which, while a device mode is brought into a photographing mode, a driving current value of an illumination unit for illuminating a display unit is reduced to a level lower than that in a normal time or to zero so as to decrease intensity of generating light, whereas a driving current value of a camera light unit for illuminating an object is increased so as to increase intensity of generating light; and

a procedure in which, after the object is photographed, completion of the photographing is detected, the respective driving current values of said camera lamp unit and said illumination unit are returned to levels before the photographing so as to return the intensity of the generated light to the original levels.